Title (en)

Automatic configuration of a wireless device

Title (de)

Automatische Konfiguration einer drahtlosen Vorrichtung

Title (fr)

Configuration automatique de dispositif sans fil

Publication

EP 2827627 A1 20150121 (EN)

Application

EP 14183691 A 20120822

Priority

- US 201161539817 P 20110927
- US 201261616960 P 20120328
- US 201213589623 A 20120820
- EP 12753347 A 20120822

Abstract (en)

A method and apparatus of automatically configuring a wireless device (112) is described, comprising performing service discovery by the wireless device (112) to identify a programming module (106), sending to the programming module (106) a probe request including a first device public key, receiving from the programming module (106) a probe response including an indication of a match between the first device public key and a second device public key, receiving from the programming module (106) one or more authentication messages including programming credentials, receiving from the programming module (106) an authentication success message after authentication of the wireless device (112), wherein the authentication success message indicates a successful authentication of the wireless device (112) by the programming module (106), and authenticating the wireless device (112) based on the programming credentials unlocks the wireless device (112) for programming with the access credentials, and receiving from the programming module (106) a programming message after receiving the authentication success message, wherein the programming message includes the access credentials of the access point (104).

IPC 8 full level

H04W 12/04 (2009.01); **G06F 15/177** (2006.01); **G06F 21/44** (2013.01); **H04L 29/06** (2006.01); **H04W 4/70** (2018.01); **H04W 48/14** (2009.01); **H04W 48/16** (2009.01); H04L 12/24 (2006.01)

CPC (source: EP KR US)

G06F 15/177 (2013.01 - KR US); **G06F 21/44** (2013.01 - KR US); **H04L 41/0886** (2013.01 - EP KR US); **H04L 63/062** (2013.01 - EP KR US); **H04L 63/18** (2013.01 - KR); **H04L 65/1066** (2013.01 - KR US); **H04W 4/70** (2018.01 - EP KR US); **H04W 12/04** (2013.01 - KR US); **H04W 12/06** (2013.01 - KR); **H04W 12/35** (2021.01 - EP US); **H04W 12/50** (2021.01 - EP US); **H04W 48/00** (2013.01 - KR); **H04W 48/14** (2013.01 - KR US); **H04W 48/16** (2013.01 - KR US); **H04W 76/10** (2018.01 - KR); H04L 41/08 (2013.01 - US); H04L 63/18 (2013.01 - EP US)

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Designated contracting state (EPC)

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US 2013081113 A1 20130328; **US 8868038 B2 20141021**; CN 103828412 A 20140528; CN 103828412 B 20180227; CN 103828413 A 20140528; EP 2761907 A1 20140806; EP 2761908 A1 20140806; EP 2827627 A1 20150121; JP 2014528225 A 20141023; JP 2014531862 A 20141127; JP 2015222964 A 20151210; JP 5755815 B2 20150729; JP 5882477 B2 20160309; JP 6062499 B2 20170118; KR 101486389 B1 20150126; KR 101624200 B1 20160526; KR 20140067157 A 20140603; KR 20140068240 A 20140605; US 2013217359 A1 20130822; US 2014233425 A1 20140821; US 8831568 B2 20140909; US 9253712 B2 20160202; WO 2013048645 A1 20130404; WO 2013049292 A1 20130404

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